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| Application Number     | 10/613,513            |
| Filing Date            | July 3, 2003          |
| First Named Inventor   | LIM, Brian Y.         |
| Art Unit               | 1725                  |
| Examiner Name          | ELVE, Maria Alexandra |
| Attorney Docket Number | ATO-001.00            |

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## U. S. PATENT DOCUMENTS

**FOREIGN PATENT DOCUMENTS**

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| Examiner<br>Signature | M. Alexandra Elve | Date<br>Considered | 8/5/05 |
|-----------------------|-------------------|--------------------|--------|

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |   |      | Application Number       | 10/613,513             |            |
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| Sheet   | 2 | of * | 2                        | Attorney Docket Number | ATO-001.00 |

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| NON PATENT LITERATURE DOCUMENTS |                       |  |                |
|---------------------------------|-----------------------|--|----------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.  | T <sup>2</sup> |
| AE                              |                       | L.C. QIN, D. ZHOU, A.R. KRAUSS, D. M. GRUEN; "Growing Carbon Nanotubes By Microwave Plasma-Enhanced Chemical Vapor Deposition"; Appl. Phys. Lett.; June 29, 1998; pp. 3437-3439; Vol. 72, No. 26   |                |
| AE                              |                       | DANIEL L. JEAN, CHAD E. DUTY, BRIAN T. FUHRMAN, W. JACK LACKEY; "Precision Carbon Deposition Using Pyrolytic Laser Chemical Vapor Deposition (LCVD)"; 11th Annual Solid Freeform Fabrication Symp.; Aug. 7-9, 2000; pp. 73-79 (but copy supplied is from: <a href="http://www.me.gatech.edu/Lackey/djsff2000.pdf">http://www.me.gatech.edu/Lackey/djsff2000.pdf</a> , via: <a href="http://www.me.gatech.edu/Lackey/Biosketch/biosketch.html">http://www.me.gatech.edu/Lackey/Biosketch/biosketch.html</a> ) |                |
| AE                              |                       | NATHAN R. FRANKLIN, YIMING LI, ROBERT J. CHEN, ALI JAVEY, and HONGJIE DAI; "Patterned Growth of Single Walled Carbon Nanotubes on Full 4-Inch Wafers"; Appl. Phys. Lett.; Dec. 31, 2001; pp. 4571-4573; Vol. 79, No. 27  |                |
| AE                              |                       | F. ROHMUND and R.-E. MORJAN, G. LEDOUX and F. HUISKEN, R. ALEXANDRESCU; "Carbon Nanotube Films Grown by Laser-Assisted Chemical Vapor Deposition"; J. Vac. Sci. Technol.; May/June 2002; pp. 802-811; B 20 (3)   |                |
| AE                              |                       | R. ALEXANDRESCU, A. CRUNTEANU, R.-E. MORJAN, I. MORJAN, F. ROHMUND, L.K. L. FALK, G. LEDOUX, F. HUISKEN; "Synthesis of Carbon Nanotubes by CO <sub>2</sub> -Laser-Assisted Chemical Vapor Deposition"; Infrared Phys. Technol.; 2003; pp. 43-50; 44  |                |
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